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brook, when director of the National Physical Laboratory, recognized the waste of time and the duplication of effort arising from this confusion. He had his opinion confirmed by many men of science, Government Departments, trade associations, and private firms. His successor, Sir Joseph Petavel, and the Advisory Council of Scientific and Industrial Research have taken up the question where he left it, and now hope to found a journal to deal with the methods of measurement and instruments. A preliminary number is being prepared under the direction of the Institute of Physics, the Research Department, and the National Physical Laboratory. It is hoped that the distribution of this, the cost of which is to be borne by the Department of Scientific Research, will secure sufficient support to place the venture on a permanent basis. There can be no doubt that the establishment of the proposed journal would be of value to the progress of all branches of scientific work.

JOURNAL OF THE OPTICAL SOCIETY OF AMERICA AND REVIEW OF SCIENTIFIC INSTRUMENTS

DURING the past few years there has been an increasing appreciation of the need in America of a journal devoted to scientific instruments of all kinds. This need is due to a number of causes. The ever increasing volume of scientific material which is being offered for publication is so crowding many of our journals that space does not permit an adequate description of apparatus used. Further, many instruments and instrumental methods, developed for a single experiment, can be applied to a variety of measurements. If described only in connection with the work for which they were developed, the description is relatively inaccessible since it is subsidiary to the main scientific discussion of the article.

In many sciences there is no medium for the publication of articles describing apparatus primarily for pedagogical purposes in lecture demonstrations and laboratory. Such short articles or notes should serve a very useful purpose since every real teacher is always on the lookout for means of improving his teaching. Further, newly developed apparatus and

methods of one science are very frequently applicable to work in another science. A medium of publication readily accessible to all would save much time and energy.

The first steps toward the development of an instrument journal were taken by the National Research Council and the Association of Scientific Apparatus Makers of the United States of America in jointly taking under advisement the establishment of a new journal for the purpose. After extensive consideration it seemed unwise to start an independent journal. Finally representatives of the Optical Society of America, which was publishing a bi-monthly journal under the title *Journal of the Optical Society of America*, were invited to a conference which ultimately resulted in an arrangement whereby the Optical Society, cooperating with the National Research Council and the Apparatus Makers Association, is to add to its journal a section on scientific instruments. The enlarged journal is to be published under the title *Journal of the Optical Society of America and Review of Scientific Instruments*, and will be issued monthly, beginning with May, 1922. It will be under the direction of an editorial board composed of Dr. P. D. Foote, Bureau of Standards, editor-in-chief; Professor F. K. Richtmyer, Cornell University, assistant editor-in-chief and business manager; and a representative board of associate editors.

In addition to articles on theoretical, experimental and applied optics in the section on optics of the new journal, there will be published in the instrument section original articles on scientific instruments of all kinds (*i. e.*, electrical, mechanical, etc., as well as optical) for research and instruction in chemistry, physics, biology and other sciences. The editors announce that they will be glad to receive manuscripts for publication, and suggestions as to desirable subject matter to include in the journal.

GIFT OF THE PROCEEDS OF RESEARCH FOR RESEARCH

On January 26, 1922, a contract was signed between The Babies' Dispensary and Hospital and the W. O. F. Laboratories Company, Cleveland, Ohio, in connection with the manu-

facture of S. M. A.—an artificial food adapted to mother's milk and developed by Dr. H. J. Gerstenberger, medical director of The Babies' Dispensary and Hospital and professor of Pediatrics of Western Reserve University Medical School, who has transferred all of his rights to The Babies' Dispensary and Hospital.

S. M. A. is said to represent an improvement over the older attempts at making an artificial food for infants more like human milk in that it contains a fat that in its saponification, iodine, and Reichert-Meissl numbers is like the fat of woman's milk, and in that it further possesses decided anti-spasmophilic and anti-rachitic powers. The latter are at least partly due to the use of codliver oil in the making of the S. M. A. fat.

S. M. A. was fed to dispensary and hospital infants under careful supervision from 1915 to 1920. During January, 1920, it was made available to the medical profession of Cleveland with excellent results, as can be realized from the increase in sales per month, being 1,000 quarts at the beginning and 20,000 quarts during December, 1921. During November, 1920, S. M. A. was put up in powder form, and a year later was made available to the medical profession throughout the country.

As a result of this contract the Babies' Dispensary will receive a minimum of \$10,000 per year. To meet the request of Dr. H. J. Gerstenberger, the contract contains a clause limiting the use of the funds to research purposes.

Inasmuch as The Babies Dispensary and Hospital will be the future department of pediatrics of Western Reserve University Medical School, it is hoped that this accomplishment will aid in the prompt development of the pediatric unit of the new medical group of Western Reserve University.

PROFESSOR J. W. TOUMEY AND THE YALE SCHOOL OF FORESTRY

APPRECIATION of the part played by Dean J. W. Toumey, of the Yale School of Forestry, in securing Mr. Henry S. Graves as his successor, and satisfaction in the former's decision to continue in the service of the university as

Morris K. Jesup professor of silviculture, is expressed in a vote passed by the Yale Corporation. It was due to Professor Toumey's initiative and wish that efforts were made to induce Mr. Graves to return to the university as head of the School of Forestry. The vote of the corporation follows:

Voted, in accepting, at the request of Professor James W. Toumey, his resignation as dean of the School of Forestry, to record the satisfaction of the president and fellows that he is to remain in Yale's service as Morris K. Jesup professor of silviculture, and to spread upon the minutes of the corporation an expression of its gratitude to him for his successful administration as acting director and then as dean. During this, and due to his untiring interest and enthusiasm, this youngest of Yale's schools has gained largely in endowment, extended its educational scope, and added both to its equipment in New Haven and to its facilities for instruction in the field through the acquisition of the school forests in Connecticut and in New Hampshire. The corporation recognizes with pride and gratitude that no other school of Yale University has enjoyed a more remarkable and better planned development than has the School of Forestry under Dean Toumey's administration, the close of which is fittingly marked by the successful consummation of two projects nearest his heart. One of these is the acquisition by the School of Forestry of a building adequate for its needs; the other is the return to Yale University as head of the school of Henry S. Graves, B.A. 1892. The fact that the movement to bring the latter back as dean originated with Professor Toumey is but one example from many which might be cited of his desire to see the school take advantage of every opportunity before it and of his constant, loyal and unselfish devotion to its welfare.

SCIENTIFIC NOTES AND NEWS

THE annual meeting of the National Academy of Sciences will be held at the United States National Museum, Washington, on April 24, 25 and 26.

DR. GEORGE E. HALE has resigned as president of the Pacific Division of the American Association for the Advancement of Science to attend the meeting of the International Research Council in Brussels. Dr. Barton Warren